

RUB INOV, Yu.S.

Burning natural gas in the boilers of sugar factories.
Sakh.prom. 33 no.10:42-49 0 '59. (MIRA 13:3)

1. Gosudarstvennyy institut po proyektirovaniyu novogo
stroitel'stva i rekonstruktsii predpriyatiy sakharnoy promy-
shlennosti.

(Sugar industry--Equipment and supplies)
(Boilers)

RUBINOV, Yu.S.

Prospects for the use of natural gas in the sugar industry. Sakh. (MIRA 11:6)
prom. 32 no.5:26-28 My '58.

1. Gosudarstvennyy institut po proyektirovaniyu novogo stroitel'stva i
rekonstruktsii predpriyatiy sakharnoy promyshlennosti.
(Sugar industry) (Gas, Natural)

RUBINOV, Yu, S.

Design of removable cyclones and hydraulic diagrams for
their attachment to boilers. Sakh. prom. 35 no. 1:50-56
Ja '61. (MIRA 14:1)

1. Giprosakhar.
(Sugar machinery) (Boilers)

RUBINOV, Yu. S.

Increase of the steam-producing capacity of SM-16/22 sectional
boilers. Sakh.prom. 35 no.6:39-43 Je '61. (MIRA 14:6)

1. Gosudarstvennyy institut po proyektirovaniyu novogo stroitel'stva
i rekonstruktsii predpriyatiy sakharnoy promyshlennosti.
(Sugar industry--Equipment and supplies)
(Boilers)

RUBINOV, Yu. S.

Washing steam in boilers with stage evaporation. Sakh. prom. 32
no. 6:36-39 Je '58. (MIRA 11:7)

1. Giprosakhar.

(Boilers)
(Feed water)

ZVYAGIN, V.I.; RUBINOVA, E.

Reflection from germanium and silicon in the visible region
of the spectrum. Izv.AN Uz.SSR.Ser.fiz.-mat.nauk. no.3:
35-38 '59. (MIRA 13:2)

1. Fiziko-tehnicheskiy institut AN UzSSR.
(Germanium--Spectra) (Silicon--Spectra)

L 6971-65 EWT(1)/ENG(k)/EWT(m)/EPF(c)/EPF(n)-2/EEC(t) Pr-4/Pu-4/Pz-6 IJP(c)
SSD/AS(m)-2/APWL/ESD(ss)/ESD(t)/RAEM(t) GO/AT
ACCESSION NR: AP4019855 S/0181/64/006/003/0896/0898

AUTHORS: Novikov, S. R.; Rubinova, E. E.; Ry*vkin, S. M.

TITLE: Photoconductivity¹ of germanium irradiated with fast neutrons 19 13

SOURCE: Fizika tverdogo tela, v. 6, no. 3, 1964, 896-898

TOPIC TAGS: spectral distribution, photoconductivity, fast neutron, Fermi level, germanium, germanium bombardment, neutron bombardment /IKS 12 spectrometer

ABSTRACT: The spectral distribution in the photoconductivity of n-type Ge irradiated with fast neutrons in a reactor at +70C has been obtained. An IKS-12 spectrometer with a 10000 frequency modulation and a resonance amplifier tuned

assumed to point to an interconnection between these levels. Orig. art. has: 2 figures.

Card 1/2

L 6971-65

ACCESSION NR: APh019855

ASSOCIATION: Fiziko-tekhnicheskiy institut im. A. F. Ioffe AN SSSR, Leningrad
(Physico-technical Institute AN SSSR)

SUBMITTED: 14 Oct 63

ENCL: 00

SUB CODE: OP, NP

NO REF SOV: 001

OTHER: 000

L 7035-65 EWT(m)/EPF(c)/EPF(n)-2/EMP(q)/EMP(b) Pr-4/Pu-4 IJP(c)/AFNL/SSD/
ASD(a)-5/AS(m)-2/ESD(gs)/ESD(t)/RAEM(t) JD/GG
ACCESSION NR: AP4034910 S/0181/64/006/005/1328/1332

AUTHORS: Novikov, S. R.; Rubanova, E. E.

TITLE: Photoconductivity in germanium irradiated by fast neutrons at 77K ¹⁹ B

SOURCE: Fizika tverdogo tela, v. 6, no. 5, 1964, 1328-1332 ²⁷

TOPIC TAGS: photoconductivity, semiconductor, semiconductor band structure, defect formation, photoconductivity spectrum, germanium

ABSTRACT: The authors' purpose was the determination of the energy positions of donor and acceptor levels arising during irradiation by fast neutrons. Measurements of $5 \cdot 10^{15} \text{ cm}^{-2}$ by the method described in

Card 1/3

L 7035-65

ACCESSION NR: AP4034910

2
levels as acceptor or donor. "In conclusion, the authors express their thanks to
S. M. Ryvkin, Doctor of physical and mathematical sciences, for his interest in
the work and for discussing the results."

... for discussing the results." Orig. art. has: 4 figures.
ASSOCIATION: Fiziko-tekhnicheskiy institut im. A. F. Ioffe AN SSSR, Leningrad
(Physico-technical Institute AN SSSR)

SUBMITTED: 04 Nov 63

ENCL: 01

SUB CODE: EC, SS

NO REF SOV: - 004

OTHER: 000

Card 2/3

L 7035-65

ACCESSION NR: AP4034910

ENCLOSURE: 01

$E_{-0.20}$ ——— A
 $E_{-0.25}$ ——— A
 $E_{-0.32}$ ——— A
 $E_{-0.35}$ ——— B or A
 $E_{+0.34}$ ——— D
 $E_{+0.31}$ ——— A
 $E_{+0.28}$ ——— D
 $E_{+0.18}$ ——— A
 $E_{+0.08}$ ——— A
 $E_{+0.01}$ ——— A
~~~~~ $E_0$

Fig. 1. Sketch of levels in germanium irradiated by fast

Card 3/3

NOVIKOV, S.R.; RUBINOVA, E.E.

Photoconductivity in germanium irradiated by fast neutrons at  
77°K. Fiz. tver. tela 6 no.5:1328-1332 My '64. (MIRA 17:9)

1. Fiziko-tekhnicheskiy institut imeni Ioffe AN SSSR, Leningrad.

RYVKIN, S. M.; KONOPLEVA, R. F.; NOVIKOV, S. R.; RUBINOVA, E. E.

"Ripening of fast neutron induced defects during low temperature annealing."  
report submitted for Symp on Radiation Effects in Semiconductors, Royaumont,  
France, 16-18 Jul 64.

RUBINOVA, F. E., Cand Tech Sci -- (diss) "Calculation of flood elements in the rivers of the southern rayon of Central Asia." Tashkent, 1960. 16 pp with graphs; (Academy of Sciences Uzbek SSR, Inst of Water Problems and Hydraulics); 150 copies; price not given; (KL, 24-60, 133)

SHUL'TS, V.L.; AKHMEDOV, G.A.; ORESHINA, L.M.; RUBINOVA, F.E.

Changing the stream flow of the Syr Darya in the region of the  
Chardara Reservoir in connection with the development of irrigation.  
Izv.AN Uz.SSR. Ser.tekh.nauk no.2:20-31 '61. (MIRA 14:3)  
(Syr Darya Valley--Water resources development)



RUBINOVA, F.E.

Calculating certain elements of floods in the rivers of Central  
Asia. Vop. gidrotekh. no.20:5-12 '64 (MIRA 18:1)

RUBINOVA, F.F.

Determining the mean depth and duration of flood runoff in uninvestigated rivers of the southern part of Central Asia. Izv. AN Uz.SSR.Ser.tekh.nauk no.1:68-76 '60. (MIRA 13:6)

1. Institut vodnykh problem i gidrotekhniki AN UzSSR.  
(Soviet Central Asia—Runoff)

SHUL'TS, V.L.; SHALATOVA, L.I.; RUBINOVA, F.E.; CHERTANOV, N.P.

Problems in intensifying the melting of snow. Izv. AN Uz. SSR.  
Ser. tekhn.nauk no.2:63-72 '58. (MIRA 11:9)

1. Institut vodnykh problem i gidrotekhniki AN UzSSR.  
(Snow)

RUBINOVA, F.E.

Evaluating some perennial characteristics of flooded states of rivers  
in the southern region of Soviet Central Asia. Izv. AN Uz.SSR. Ser.  
tekhn.nauk no.2:73-79 '58. (MIRA 11:9)

1. Institut vodnykh problem i gidrotekhniki AN UzSSR.  
(Soviet Central Asia--Floods)

RUBINOVA, F.E.; MIL'KIS, B.Ye.

Water balance of the intermontane part of the Angren River valley  
in the Turk - Akhangaran sector. Izv. AN Uz. SSR. Ser. tekhn.  
nauk 7 no.1:47-56 '63. (MIRA 17:6)

1. Institut vodnykh problem i gidrotekhniki AN UzSSR i  
Ministerstvo vodnogo khozyaystva UzSSR.

RUBINOVA, Jana; VOKURKA, Josef

Equipment of the instruction room in the dispatching center  
at the Poprad airport. Letecky obzor 6 no.5:146-148 My '62.

RUBINOVA, L.V., inzh.

Use of ultrasonic waves for the industrial strength testing of concrete. Transp.stroi. 11 no.3:60-61 Mr '61. (MIRA 14:3)

1. Laboratoriya tresta Novorossiyskморstroy.  
(Ultrasonic waves—Industrial applications)  
(Prestressed concrete—Testing)

ANAN'YEVA, R.S., student; RUBINOVA, M.S.

Kidney lesion in capillary toxicosis in children. Trudy Tadzh.  
med. inst. 50:194-196 '61. (MLRA 17:8)

1. Iz kafedry pediatrii (zav. prof. V.S. Vayl', rukovoditel'  
raboty assistent R.Ye. Bronshteyn) Tadzhikskogo gosudarstvennogo  
meditsinskogo instituta imeni Abuali ibn Sino.



L (C) 1-7 EWT(1)/EWT(m), EWP(c)/EWP(v)/EWP(j)/EWP(k)/EWP(h)/EWP(i) LTP( ) RM/RM  
ACC NR: AP6025887 SOURCE CODE: UR/0292/66/000/005/0051/0052

AUTHOR: Tsvigun, N. K. (Engineer); Rubinova, R. I. (Engineer)

ORG: none

TITLE: Using new cements in electrical machine building 14

SOURCE: Elektrotehnika, no. 5, 1966, 51-52

TOPIC TAGS: cement /BFR-2 cement, BFR-4 cement

ABSTRACT: Laminations of motor magnetic cores used to be cemented together with epoxy compounds BF-2(4) and a lacquer 7-627 which were designed for operation at 60--120C. To widen the operating temperature range and to provide better mechanical characteristics, these new cements were developed: BFR-2, a modified phenol-formaldehyde resin dissolved in alcohol, having a mechanical strength of 120 kg/cm<sup>2</sup> at 20C or 20 kg/cm<sup>2</sup> at 200C; BFR-4, a similar composition with a strength of 150 kg/cm<sup>2</sup> at 20C. Both withstand temperatures -60 +200C, moisture-resistant, and provide "monolithic" magnetic core stacks. BFR-2 withstands 200C for 600 hrs; BFR-4, for 180 hrs. Other test details reported. Orig. art. has: 1 figure and 3 tables.

SUB CODE: 11, 09 / SUBM DATE: none

Card 1/1 LC

UDC: 678.061:621.313.042.1.001.4

RUBINOVA, R.S.

Social and labor compensation and outpatient services for  
epilepsy in adolescents. Zhur.nevr. i psikh. 58 no.7:840-843 '58  
(MIRA 11:7)

1. Leningradskiy nauchno-issledovatel'skiy psikhonevrologicheskiy  
institut imeni V.M. Bekhtereva (dir. - prof. V.M. Myasishchev).

(EPILEPSY,

in adolescents, med. serv., emoloyment & educ. (Rus))

(EDUCATION,

of epileptic adolescents (Rus))

(INDUSTRY AND OCCUPATIONS,

emoloyment of epileptic adolescents (Rus))

ABRAMOVICH, G.B.; ADAMOVICH, V.A.; VOROB'YEV, S.P.; GOSHEV, A.I.; DEMIDENKO, T.D.; ZAYCHIKOVA, N.A. [deceased]; RUBINOVA, R.S.; TERPUGOV, Ye.A.; SHATALOVA, A.A.; YAKOVLEVA-SHIRMAN, I.V.

Some investigations of the clinical aspects, pathogenesis, and treatment of epilepsy. Trudy Gos. nauch.-issl. psikhonevr. inst. no.20:343-354 '59. (MIRA 14:1)

1. Gosudarstvennyy nauchno-issledovatel'skiy psikhonevrologicheskiy institut imeni V.M. Bekhtereva, Leningrad.  
(EPILEPSY)

MIRSKAYA, M.M.; POVORINSKIY, Yu.A.; RUBINOVA, R.S.

Differentiated work and biological therapy in psychiatric wards for the acutely ill. Vop.psikh.i nevr. no.7:312-318 '61. (MIRA 15:8)

1. Iz 2-y psikhiatricheskoy kliniki (zav. prof. Yu.A.Povorinskiy) Nauchno-issledovatel'skogo psikhonevrologicheskogo instituta imeni V.M.Bekhtereva (dir. chlen-korrespondent Akademii pedagogicheskikh nauk RSFSR prof. V.N.Myasishchev).

(MENTALLY ILL—CARE AND TREATMENT) (OCCUPATIONAL THERAPY)

MIRSKAYA, M.M.; POVORINSKIY, Yu.A.; RUBINOVA, R.S.

Differentiated work and biological therapy in psychiatric wards for the acutely ill. Vop.psikh.i nevr. no.7:312-318 '61. (MIRA 15:8)

1. Iz 2-y psikhiatriceskoy kliniki (zav. prof. Yu.A.Povorinskiy) Nauchno-issledovatel'skogo psikhonevrologicheskogo instituta imeni V.M.Bekhtereva (dir. chlen-korrespondent Akademii pedagogicheskikh nauk RSFSR prof. V.N.Myasishchev).

(MENTALLY ILL--CARE AND TREATMENT) (OCCUPATIONAL THERAPY)

RUBINOVICH, R.S.

Determination of iron rocks and ores by X-ray fluorescence  
analysis. Zav.lab. 30 no.4:431-432 '64. (MIRA 17:4)

1. Nauchno-issledovatel'skiy institut geologii Arktiki.

MIRSKAYA, M.M.; RUBINOVA, R.S.

Use of occupational therapy in strict-supervision psychiatric wards for acute cases. Trudy Gos. nauch.-issl. psikhonevr. inst. no.24: 161-166 '61. (MIRA 15:5)

1. 2-~~o~~ye psikhiatricheskoye otdeleniye i otdeleniye trudovoy terapii Gosudarstvennogo nauchno-issledovatel'skogo psikhonevrologicheskogo instituta imeni Bekhtereva.  
(OCCUPATIONAL THERAPY) (PSYCHOTHERAPY)

USSR/Cultivated Plants - Grains.

M

Abs Jour : Ref Zhur Biol., No 18, 1958, 82311

Author : Gorbacheva, A.P., Rubanova, S.S.

Inst : All-Union Scientific Research Institute of Animal Husbandry

Title : Composition of Mineral Substances in Corn During Different Phases of Its Vegetation

Orig Pub : Byul. nauchno-tekhn. inform. Vses. n.-i. in-t zhivotnovodstva, 1957, No 2(4), 36-39

Abstract : The mineral matter content was relatively decreasing in relation to the increase in the amount of organic matter in proportion to the ripening of the fast maturing Voronezhskaya 76 and late maturing VIR 42 varieties of corn. Data is cited on the mineral matter content in the green bulk of red clover, alfalfa and oats.

Card 1/1



GORBACHEVA, A.P., kand. biol. nauk; RUBINOVA, S.S.

Mineral composition of corn during the various phases of its growth.  
Dokl. Akad. sel'khoz. 23 no.2:16-22 '58. (MIRA 11:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zhivotnovodstva.  
Predstavlena akademikom I.I. Samoylovym..  
(Corn (Maize)---Analysis)

[illegible]

007-41001-007/0052-0054

... (Candidate of medical sciences); Yelin, I. S.; Rubanova,

TITLE: Experience with control of blood-sucking insects by early spring spraying of

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 84

SOURCE: Voenno-meditsinskiy zhurnal, no. 7, 1964, 52-54

TABLE TAGS: insect control, insecticide

Abstract: The authors describe a 3 year campaign (1961-1963) to control Diptera in a swampy area located on a river bank (not identified) whose insect popu-

Card 1/2

which have a tank capacity of 25 liters and can be mounted in a truck.  
The insecticides were 10% DDT dust and 12% Lindane dust.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: LS

NO REF SOV: 000

OTHER: 000

Card 212 *li*

KANTSUR, M.A.; YELIN, I.S.; RUBINOVA, Z.I.

Fauna and phenology of mosquitoes of the genus Aedes in some districts  
of White Russia. Med. parazit. i parazit. bol. 34 no.1:22-24 Ja-F '65.  
(MIRA 18:8)

RUBINOVICH, L., inzh.

New type of lathe carrier for manufacturing finned pipes with the aid of steel strips. Khol.tekh. 37 no.5:48-49 '60. (MIRA 13:10)

(Pipe) (Refrigeration and refrigerating machinery)

L 260634655 EWT(m)/EPA(s)-2/EPF(c)/T/EWP(j)/EPR Pc-4/Pr-4/Ps-4/Pt-10 RPL

WW/RM

ACCESSION NR: AR4048482

S/0081/64/000/013/S007/S007

SOURCE: Ref. zh. Khimiya, Abs. 13S44

AUTHOR: Rostovskiy, Ye. N.; Rubinovich, L. D.

TITLE: Polymers of the methacrylic esters of fluorinated alcohols

CITED SOURCE: Sb. Vysokomolekul. soyedineniya. Karbotsepn. vysokomolekul. soyedineniya. M., AN SSSR, 1963, 140-143

TOPIC TAGS: methacrylic acid, polymethacrylate synthesis, fluorinated alcohol, polymethacrylate stability, polyfluoroester, polymerization kinetics, polymethacrylate solubility

TRANSLATION: The authors studied the methacrylic esters of F-containing alcohols having the general formula  $H(C_2F_4)_nCH_2O_2C(CH_3)=CH_2$  where  $n = 2-4$ . From the chloroanhydride of methacrylic acid and the corresponding alcohol, they prepared: 1H,5H,5H-octafluoroamylmethacrylate (I), b.p. 74.5-74.8C/15 mm,  $d_{20}^4 = 1.1384$ ; 1H,7H,7H-dodecafluorohentylmethacrylate (II), b.p. 74.5-75C/5 mm,  $d_{20}^4 = 1.5574$ ,

1.3345. The kinetics of the polymerization of I and III were  
Card 1/2

L 26063-65

ACCESSION NR: AR4048482

dilatometrically. The rate constants of the polymerization during the initial linear period were  $7.0 \times 10^{-5}$ /sec. for I and  $8.3 \times 10^{-5}$ /sec. for III. The maximal depth of transformation during block polymerization was 93% for I and 86% for III. Polymers I-III were insoluble in benzene, dichloroethane,  $CCl_4$ , alcohol and cyclohexanone. The glass tempera-



SUB CODE: 00, GC

FNCL: 00

Card 2/2

RUBINOVICH, Lev Davidovich; KURILEV, Ye.S., spets. red.;  
NIKOLAYEVA, N.G., red.

[Preparing a refrigeration unit to be put in operation]  
Podgotovka kholodil'noi ustanovki k sdache v eksplu-  
atatsiiu. Moskva, Izd-vo "Pishchevaia promyshlennost',"  
1964. 62 p. (MIRA 17:6)

RUBINOVICH, R.S.; YEVLEVA, T.T.

Use of infrared spectroscopy for the study of cobaltite. Uch. zap.  
NIIGA. Reg.geol. no. 3:10-26 '64.

(MIRA 18:10)

L 45856-66 EWT(d)/LWT(m)/T/EWP(1) IJP(c) WE/GD

ACC NR: AT6012349

SOURCE CODE: UR/0000/66/000/000/0138/0149

AUTHOR: Bronshteyn, O. I.; Rubinovich, Ya. V.

40  
0+1

ORG: none

TITLE: Method of estimating the effectiveness of supervisory control systems with an allowance for their reliability

SOURCE: Nauchno-tekhnicheskaya konferentsiya po sredstvam promyshlennoy telemekhaniki. Moscow, 1963. Promyshlennaya telemekhanika (Industrial telemechanics); materialy konferentsii. Moscow, Izd-vo Energiya, 1966, 138-149

TOPIC TAGS: system reliability, supervisory control system, petroleum refinery equipment, *QUEUEING THEORY*

<sup>46</sup>  
ABSTRACT: The queueing theory is applied to analyzing and synthesizing a supervisory control system intended for a 500-700 petroleum tank farm. It is shown that the flow of requests arising in the system is simple; the density of probability of intervals between the requests is expressed by an exponential function. Average specific loss of production is calculated from the service delay, i.e., the waiting

Card 1/2

I. 45856-66

ACC NR: AT6012349

time of requests; the average number of requests in abeyance in a single-line unrestrained queue is determined. Assuming that the failure rate is independent of the condition of the control desk, the average queue of the dispatcher's control system is evaluated. A plot of equipment cost vs. failure rate is constructed. Orig. art. has: 3 figures and 12 formulas.

SUB CODE:3,14 / SUBM DATE: 08Jan66 / ORIG REF: 005

Card 2/2 *LC*

RUBINOVICH, Ya.V.; VARLAMOV, V.P.

Hydraulic connection with well bottom in turbodrilling. Neft. khoz.  
36 no.3:24-28 Mr '58. (MIRA 11:4)  
(Measuring instruments) (Turbodrills)

RUBINOVICH, Ya. V.; VELICHKIN, O. D.

Pulsating pneumatic valve; Mash. i nef. obor. no. 2:39-43  
1963, (MIRA 17:8)

1. Spetsial'noye konstruktorskoye byuro po avtomatike v  
neftepererabotke i neftekhimii.

RUBINOVICH, Ya.

AUTHOR: Rubinovich, Ya. V., and Varlamov, V. P.

93-58-3-6/17

TITLE: Hydraulic Signal Communication Channel With the Bottom Hole in Turbine Drilling (Gidravlicheskiy kanal svyazi s zaboyem pri turbinnom burenii)

PERIODICAL: Neftyanoye khozyaystvo, 1958, Nr 3, pp 24-28 (USSR)

ABSTRACT: The authors state that the inclusion of a tachometer in turbine drilling would lead to greater utilization of the turbine drilling method and automation of the drilling process. When a well is drilled by this method the transmitter of the tachometer must be mounted on the turbodrill and connected by a communication line with recording instruments above the ground. Extensive experience has shown that communication with the bottom hole is best established via a hydraulic line, and attempts have been made in the last two years to develop methods by which the signals from the bottom hole are transmitted to surface recording instruments via the fluid in the drill pipe. Under this system the fluid which passes through three opening's in the turbodrill bearing can be shut off three times by a winged disc attached to the turbodrill shaft. The liquid flow through the three openings is shut off three times during one revolution of the turbodrill shaft and this produces three periodic pressure impulses which are transmitted to the surface recording instruments.

Card 1/2

93-58-3-6/17

Hydraulic Signal Communication (Cont.)

Initial field experiments have disclosed that periodic pressure pulses at a frequency of 20 to 80 hertz are indistinct but that when the turbodrill is not used the single pressure pulses, produced at the bottom of the drill pipe which is equipped with a special nozzle, are quite distinct. Fig. 1 presents oscillograms of signals produced in turbine drilling showing that at a depth of 900 m. the amplitude of the signals is similar to that of noise and is difficult to record. Fig. 2 presents oscillograms of single impulses obtained in drilling experimental wells (without a turbodrill) at oil fields of the Pokhvistnevo Drilling Department (Pokhvistnevskaya kontora bureniya). The single impulses produced at the end of the drill pipe which is equipped with a special nozzle remained practically stable and their amplitude even at a depth of 2,500 m exceeded the amplitude of the noise. Fig. 3 shows that the signals last 0.5-0.6 seconds. The authors conclude that when a tachometer is included in turbodrilling the interval between the impulses must be extended 2-3 seconds. Such intervals will make possible clear selection of the signals from the pump noise which is within the range of 1-2 hertz. There are three figures and seven Soviet references.

AVAILABLE: Library of Congress

Card 2/2



RUBINOVICH, Ye.Ye., inzh.; GERCHAREVICH, I.F., kand. tekhn. nauk

Experimental investigation of some problems of vibration transportation. Nauch. soob. IGD 26:100-106 '65. (MIRA 18:9)

SPIVAKOVSKIY, A.O.; GONCHAREVICH, I.F., kand. tekhn. nauk;  
RUBINOVICH, Ye.Ye., inzh., mlad. nauchn. sotr.;  
TIKHONOV, G.V., inzh., mlad. nauchn. sotr.; KAMNEVA,  
T.N., red.

[Method of calculating resonance, vibration conveyers and vibration grizzlies with buffers taking into account acting resistances; short scientific report] Metod rascheta rezonansnykh vibrokonveierov i vibrogrukhotov s buferami s uchetom deistviushchikh soprotivlenii; kratkii nauchnyi otchet. Moskva, In-t gornogo dela, 1963. 38 p.

(MIRA 17:8)

1. Chlen-korrespondent AN SSSR (for Spivakovskiy).

RUBINOVICH, Ye. Ye.

ALEKSANDROV, B.F., inzh.; BALYKOV, V.M., inzh.; BARANOVSKIY, F.I., inzh.;  
BOGUTSKIY, N.V., inzh.; BUKHO, V.A., kand.tekhn.nauk, dotsent;  
VAVILOV, V.V., inzh.; VOLOTKOVSKIY, S.A., prof., doktor tekhn.nauk;  
GRIGOR'YEV, L.Ya., inzh.; GRIDIN, A.D., inzh.; ZARMAN, L.N., inzh.;  
KOVALEV, P.F., kand.tekhn.nauk; KUZNETSOV, B.A., kand.tekhn.nauk,  
dotsent; KUSNITSYN, G.I., inzh.; LATYSHEV, A.F., inzh.; LEYBOV,  
R.M., doktor tekhn.nauk, prof.; LEYTES, Z.M., inzh.; LISITSYN, A.A.,  
inzh.; LOKHANIN, K.A., inzh.; LYUBIMOV, B.N., inzh.; MASHKEVICH,  
K.S., inzh.; MALKHAS'YAN, R.V.; MILOSERDIN, M.M., inzh.; MITNIK,  
V.B., kand.tekhn.nauk; MIKHAYEV, Yu.A., inzh.; PARAMONOV, V.I.,  
inzh.; ROMANOVSKIY, Yu.G., inzh.; RUBINOVICH, Ye.Ye., inzh.;  
SAMOYLYUK, N.D., kand.tekhn.nauk; SNEKHOV, V.K., inzh.; SMOLDY-  
REV, A.Ye., kand.tekhn.nauk; SNAGIN, V.T., inzh.; SNAGOVSKIY,  
Ye.S., kand.tekhn.nauk; FEYGIN, L.M., inzh.; FRENKEL', B.B., inzh.;  
FURMAN, A.A., inzh.; KHORIN, V.N., dotsent, kand.tekhn.nauk; CHET-  
VEROV, B.M., inzh.; CHUGUNIKHIN, S.I., inzh.; SHELKOVNIKOV, V.N.,  
inzh.; SHIRYAYEV, B.M., inzh.; SHISHKIN, N.F., kand.tekhn.nauk;  
SHPIL'BERG, I.L., inzh.; SHORIN, V.G., dotsent, kand.tekhn.nauk;  
SHTOKMAN, I.G., doktor tekhn.nauk; SHURIS, N.A., inzh.; TERPIGOREV,  
A.M., glavnyy red.; TOPCHIEV, A.V., otv.red.toma; LIVSHITS, I.I.,  
zamestitel' otv.red.; ABRAMOV, V.I., red.; LADYGIN, A.M., red.;  
MOROZOV, R.N., red.; OZERNOY, M.I., red.; SPIVAKOVSKIY, A.O.,  
red.; FAYBISOVICH, I.L., red.; ARKHANGEL'SKIY, A.S., inzh., red.;

(Continued on next card)

ALEKSANDROV, B.F.---(continued) Card 2.

BELYAYEV, V.S., inzh., red.; BUKHANOVA, L.I., inzh., red.; VLASOV, V.M., inzh., red.; GLADILIN, L.V., prof., doktor tekhn.nauk, red.; GREBTSOV, N.V., inzh., red.; GRECHISHKIN, F.G., inzh., red.; GONCHAREVICH, I.F., kand.tekhn.nauk, red.; GUDALOV, V.P., kand.tekhn.nauk, red.; IGNATOV, N.N., inzh., red.; LOMAKIN, S.M., dotsent, kand.tekhn.nauk, red.; MARTYNOV, M.V., dotsent, kand.tekhn.nauk, red.; POVOLOTSKIY, I.A., inzh., red.; SVETLICHNYY, P.L., inzh., red.; SALTSEVICH, L.A., kand.tekhn.nauk, red.; SPERANTOV, A.V., kand.tekhn.nauk, red.; SHETLER, G.A., inzh., red.; ABARBARCHUK, F.I., red.izd-va; PROZOROVSKAYA, V.L., tekhn.red.; KONDRAT'YEVA, M.A., tekhn.red.

[Mining; an encyclopedic handbook] Gornoe delo; entsiklopedicheskiy spravochnik. Glav.red.A.M.Terpigorev. Chleny glav.redaktsii A.I. Baranov i dr. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gornomu delu. Vol.7. [Mining machinery] Gornye mashiny. Redkol.toma A.V.Topchiev i dr. 1959. 638 p. (Mining machinery) (MIRA 13:1)

RUBINOV, Yu.S.

RUBINOV, Yu.S.

Stage evaporation as a means of increasing steam production and efficiency of boilers. Sakh.prom.31 no.9:43-51 S '57. (MIRA 10:12)

1. Giprosakhar.

(Boilers)

RUBINOV, YU. S.

RODDATIS, K. F. Modernization of low-pressure boilers Moskva, Gos. energ.  
izd-vo, 1952. 141 p. (52-37378)

TJ285.R8

CA

Modification of filters for chemical purification of water.  
Yu. S. Rubinov. *Sakharovskaya Prom.* 24, No. 6, 24-7 (1960).

It is recommended to use sulfonated C in cation filters since it has large absorptive capacity and requires less frequent regeneration. Quartz sand can be replaced by anthraxite, which requires less washing and has a porosity which is higher than that of quartz sand by 13-15% and increases the cycle of filter by 25-40%. To improve the backwashing of standard cation filters of large diam. a coil pipe of 76 mm. can be installed at the lower part of the filter with 4 nozzles welded at a 30° angle for better distribution of wash water. For better distribution of water to be treated in cation filters, the feed pipe must terminate on top of the filter in the form of a star with 6 outlets. V. E. Baikov





17

CA

Processing of boiler water. Yu. S. Rubinov. *Sokhraneniya Prom.* 23, No. 12, 11-13(1949). For water hardness of 20-25° (German), solid content of about 500 mg./l., and only an insignificant purification and considerable economy in regeneration and blowing through are obtained by switching from the method of coagulation-ion exchange to that of coagulation-ion exchange-neutralization. In the latter method, a small amt. of water is diverted from the main stream, after the Zeolite tanks, and is fed through a needle valve into a tank contg. kerosene which, in turn, is connected to a tank contg. 10% H<sub>2</sub>SO<sub>4</sub>. The acid, forced out from the second tank, enters a mixer where it is mixed with the main water stream. The large amts. of CO<sub>2</sub> formed in the acidification are removed by passing the water over a cascade decarbonization. In the case of water from highly polluted reservoirs, the method of suspension sepn.-ion exchange-neutralization is most satisfactory. In this method, the water, before entering the zeolite tanks, is subjected to some softening (with lime soln.) and clarification. The water and lime soln. pass down a vertical pipe into horizontal distribution tubes radiating from the pipe, between the bottom of the separator and a perforated partition just above the bottom. This construction provides for even distribution of water and proper mixing with lime soln. Slime is withdrawn through four test cocks and water is piped to the Zeolite tanks. Preliminary softening to even 5-6° (German) and clarification greatly facilitate the operation of the Zeolite tanks. This method provides alkyl. of softened water not greater than 2-3° (German). Sketches of app.

U. Z. Kamech

RUBINOV, Yu.S.

Calculations for stage evaporation systems and determination of the  
purity of steam in boilers. Sakh. prom. 32 no.1:39-43 Ja '58.  
(MIRA 11:2)

1. Giprosakhar.

(Boilers) (Evaporation)

STRUGGLE AGAINST WATER ENTRAINMENT AND CONTAMINATION OF STEAM Rubinov,  
Yu. S. (Sakhar. Prom. (Sugar Ind.), Sept. 1951, 32-35).

NOVIKOV, S.R.; RUBINOVA, E.E.; RYVKIN, S.M.

Photoconductivity of germanium irradiated by fast neutrons. Fiz.  
tver. tela 6 no.3:896-898 Mr '64. (MIRA 17:4)

1. Fiziko-tekhnicheskiiy institut imeni A.F.Ioffe AN SSSR, Leningrad.

30118  
S/608/61/000/000/003/007  
B143/B102

9.4160

AUTHORS: Zvyagin, V. I., Lobanov, Ye. M., Rubanova, E., Blinkov, D. I.

TITLE: Reflection coefficient of visible light reflected from germanium

SOURCE: Nekotoriye voprosy prikladnoy fiziki, 1961, 51 - 54

TEXT: The light reflection coefficient  $R$  is more dependent on the state of the surface than is the rest of physical parameters. Since  $R$  and the absorption coefficient depend on the energy structure of the crystal surface, measuring these coefficients permits to infer the energy structure of the germanium surface. Chemical polish of germanium results in the formation of an oxide coating on the crystal surface.  $R$  is not changed by etching crystals with different crystallographic directions. However, the same etching agent lays bare quite definite faces, independent of the orientation of the crystal. This means that either the ratio of the area of faces remains unaltered, or  $R$  is not dependent on the type of crystallographic faces. To decide for one or the other possibility,  $R_0$  was measured for germanium treated with etching agents of this type. ✓

Card 1/3

30118

S/608/61/000/000/003/007

B143/B102

Reflection coefficient of...

Measurements showed that differently worked crystals furnished values for R differing by 20 - 30%. This implies that R is not dependent on the type of crystallographic faces but on the composition and structure of the 10 - 50 Å thick oxide coating. Some etching agents cause R to be changed when the crystal is rotated around an axis perpendicular to the surface investigated, passing through a number of maxima and minima. If the crystals are worked with other etching agents, R is independent of the orientation of the crystal. In this case, the correct value of R is obtained. Differences in the values of R, occurring as a result of treating the crystal with the same etching agent, are related to the structure of the monoxide film which is gradually converted into dioxide in the atmosphere. Irradiated with shortwave light, this film generates an anomalously high negative photocurrent in the diodes due to the short-wave light being absorbed by the film. Gamma irradiation of germanium in moist atmosphere reduces the value of R. Apparently, irradiation of the germanium surface causes the formation of a film resembling the monoxide film. Indicative of this is the existence of the anomalously high negative photocurrent. Gamma irradiation of germanium, protected from moisture, has no effect on R. There are 1 figure and 5 references: 2

Card 2/3

30148

Reflection coefficient of...

S/608/61/000/000/003/007  
B143/B102

Soviet and 3 non-Soviet. The three references to English-language publications read as follows: Hancock R., Edelman S. Rev. Scient. Instr., 27, 1082, 1956; Mc. Kelvey I., Longini R. J. Appl. Phys., 25, 5, 634, 1954; Ellis S. G. Journ. Appl. Phys., 28, No 11, 1262, 1957.

✓

Card 3/3

243420

S/058/62/000/003/050/092  
A061/A101

AUTHORS: Zvyagin, V. I., Lobanov, Ye. M., Rubanova, E., Blinkov, D. I.

TITLE: Coefficient of visible light reflection from germanium

PERIODICAL: Referativnyy zhurnal, Fizika, no.3, 1962, 1, abstract 3G4 (Sb.  
"Nekotoryye vopr. prikl. fiz.", Tashkent, AN UzSSR, 1961, 51-54)

TEXT: Reproducibility and divergence of the reflection coefficient  $R$  of silicon and germanium crystals treated with standard pickling agents were examined on an  $C\Phi-2M(SF-2M)$  spectrophotometer. It was established that "grinding" and "polishing" pickling agents modify  $R$  in individual intervals of the visible spectrum region by more than 20 - 30%. These changes are explained by the composition and structure of the oxide layer. For some pickling agents and for crystal rotation about the axis perpendicular to the surface considered, the curve  $R = f(\lambda)$  was found to have a series of maxima and minima, the number of which depends on crystal orientation. Curves  $R = f(\lambda)$  were measured for germanium surfaces that were ground and pickled by agents used in the production of  $H_2O_2$  and NaOH semiconductor instruments, following irradiation by  $Co^{60}$   $\gamma$ -rays. An attempt is made to explain the results obtained. 1/2

G. Gorodinskiy

[Abstracter's note: Complete translation]

Card 1/1



~~24(4), 18(7)~~ 24.7700

AUTHORS: Zvyagin, V.I., and Rubinova, E.

66532

SOV/166-59-3-5/11

TITLE: Reflection from Germanium and Silicon in the Visual Part of the Spectrum

PERIODICAL: Izvestiya Akademii nauk Uzbekskoy SSR, Seriya fiziko-matematicheskikh nauk, 1959, Nr 3, pp 35-38 (USSR)

ABSTRACT: The authors compare the electrical and optical properties of the surfaces of germanium and silicon. With different methods the authors measure the reflection coefficients of germanium, silicon, and a germanium-silicon alloy. In the case of silicon the measurements are carried out for different treatments of the surface (polished, cut, etched). In general the reflection coefficient at first decreases with an increasing wave length and then it becomes constant as far as in the infrared domain. A monotone dependence of the coefficient on the conductivity could not be observed. The treatment of the surface changes the coefficient by ca. 20%. A qualitative foundation of the observed appearances is not given.

There are 4 references, 2 of which are Soviet, and 2 American.

ASSOCIATION: Fiziko-tehnicheskii institut AN Uz SSR (Physical-Technical Institute, AS Uz SSR)

SUBMITTED: February 23, 1959

Card 1/1

4

RUBINOVA, F.E.

Analyzing perennial floods of rivers of the Fergana Valley.  
Izv.AN Uz. SSR. Ser. tekhnauk no.3:59-65 '61. (MIRA 14:6)

1. Institut vodnykh problem i gidrotekhniki AN Uz SSR.  
(Fergana—Floods)

PETROV, A.V.; PASECHNIK, A.F.; RUBINOVA, L.Ye.

[Glass fibers] Tkani iz stekla. Tomsk, Tomskoe knizhnoe  
izd-vo, 1959. 29 p. (MIRA 13:8)  
(Glass fibers)

RUBINOVA, R.S.

Forms of work in using occupational therapy for mental patients under outpatient conditions. Sbor. trud. Len. nauchn. ob-va nevr. i psikh. no.6:289-296 '59. (MIRA 13:12)

1. Iz otdela trudovoy terapii Psikhonevrologicheskogo instituta imeni V.M. Bekhtereva (direktor - chlen-korrespondent Akademii pedagogicheskikh nauk RSFSR prof. V.N. Myasishchev).

(MENTALLY ILL—~~CARE~~ AND TREATMENT)  
(OCCUPATIONAL THERAPY)

MIRSKAYA, M.M.; PAVORINSKIY, Yu.A.; RUBINOVA, R.S.

Experience in using occupational therapy within the general complex of therapeutic measures in a strictly supervised restless psychiatric ward. Zhur.nevr.i psikh. 60 no.5:624-626 '60. (MIRA 13:9)

1. Psikhiatriceskaya klinika (zav. - prof. Yu.A. Povorinskiy) Leningradskogo nauchno-issledovatel'skogo psikhonevrologicheskogo instituta im. V.M. Bekhtereva.

(OCCUPATIONAL THERAPY)

(MENTAL DISORDERS)

RUBINOVA, R.S.

Work therapy of epilepsy. Zhur.nevr.i psikh. 53 no.5:387-391 My '53.  
(MLRA 6:5)

1. Leningradskiy nauchno-issledovatel'skiy psikhonevrologicheskiy institut  
imeni B.M. Bekhtereva. (Epilepsy)

RUBINOVA, S. S.

"Titration by Maximum Trubidity with a Photoelectric Colorimeter. II Determinations of Sulfate Iron in Phosphate Solutions," M. L. Chepelevetskiy, S. S. Rubanova, and B. B. Evzlina, Zavod Lab XI, pp 783-7 (1945) (SEE: Inst. Insect/Fung. in. Ya. V. Samoylov)

SO: U-237/49, 8 April 1949

RUBINOVA, S S

USSR/Chemical Technology - Chemical Products and Their Application. Fertilizers,  
I-6

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 62121

Author: Chepelevetskiy, M. L., Bol'ts, Ts. S., Vasilenko, N. A., Rubnova,  
S. S.

Institution: None

Title: Solubility of Crystalhydrate  $\text{CaHPO}_4 \cdot 2\text{H}_2\text{O}$  and Rate of Its Con-  
version to Anhydrous Salt in Connection with Some Problems of the  
Production of Phosphorus Fertilizers

Original  
Periodical: Sb. Issledovaniya po prikl. khimii, Moscow-Leningrad, Izd-vo AN  
SSSR, 1955, 175-183

Abstract: Study of solubility of metastable at  $40^\circ$   $\text{CaHPO}_4 \cdot 2\text{H}_2\text{O}$  (I) in phos-  
phoric acid solutions and also of the rate of phase conversion (PC)  
of I to anhydrous salt (II). For the investigations were prepared  
at  $2-3^\circ$  solutions of monocalcium phosphate which decompose on rise  
in temperature with separation of I as solid phase. The derived

Card 1/2



USSR/Chemical Technology - Chemical Products and Their Application. Fertilizers,  
I-6

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 62121

Abstract: solubility isotherm ( $40^{\circ}$ ) is close to solubility isotherm of II, becoming steadily more deflected therefrom with increase in  $P_2O_5$  concentration of the system. Study of the kinetics of PC at a  $P_2O_5$  concentration, in the liquid phase, from 10 to 18% has shown that the process of conversion of I to II is characterized by a fairly prolonged induction period. Rate of PC increases with  $P_2O_5$  concentration. Under manufacturing conditions stability of metastable phase obtained on precipitation can be attained with a low  $P_2O_5$  concentration in the solution. With the course of PC content of citrate-soluble  $P_2O_5$  drops (to 48-50% of initial content on complete conversion to II). Dehydration is accompanied by change in appearance of crystals. Presence of "seed" II accelerates the PC. Drying in air at  $110-120^{\circ}$  results in almost complete loss of water of crystallization, but decrease in content of citrate-soluble  $P_2O_5$  in the course thereof is considerably less (10%) than in the case of PC "through solution." Agrochemical efficacy of precipitate dehydrated by drying does not differ substantially from that of II.

Card 2/2

GORBACHEVA, A.P., kand.biolog.nauk; RUBINOVA, S.S.

Mineral substances of grain in various corn varieties and in  
different agricultural zones of the U.S.S.R. Dokl.Akad.sel'khoz.  
24 no.8:20-26 '59. (MIRA 12:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zhivotnovod-  
stva. Predstavlena chlenom-korrespondentom Vsesoyuznoy akademii  
sel'skokhozyaystvennykh nauk imeni V.I.Lenina M.F.Tomme.  
(Corn(Maize)--Varieties) (Plants--Assimilation)

USSR/Farm Animals- General Problems. Q

Abs Jour : Ref Zhur - Biol., No 15, 1958, 69219

Author : Gorbacheva, A.P., Razmologova, A.M., Rubnova, S.S.

Inst : All-Union Scientific Research Institute of Animal Husbandry

Title : Chemical Composition and Nutritiousness of Green Corn

Orig Pub : Byul. nauchno-tekhn. inform. Vses. n.-i. in-t zhivotno-vodstva, 1957, No 1 (3), 13-19

Abstract : Data regarding Voronezhskaya 76, Vir 42 and Gibril kollektivny varieties of corn are given.

Card 1/1

COUNTRY : USSR M  
 CATEGORY : Cultivated Plants. Cereals.  
 ABS. JOUR. : RZhBiol., No. 1958, No. 104640  
 AUTHOR : Gorbacheva, A. P., Rubanova, S. S.  
 INST. : All-Union Academy of Agricultural Sciences imeni Lenin  
 TITLE : Mineral Matter in Corn at Different Stages of Its Vegetation.  
 ORIG. PUB. : Dokl. VASKhNIL, 1958, No. 2, 16-22  
 ABSTRACT : Data on the composition of mineral matter in corn of two varieties: early maturing variety Voronishskaya 76 and late maturing VIR 42, raised on the plot of grain crops at the All-Union Agricultural Exposition in 1955. With ripening, the mineral content decreases both in the whole plant and in the ears. The ears contain little Ca; the ratio of Ca to P in them is low. The mineral composition of the stems and leaves changes little at different stages; the ratio of Ca to P in them is higher than in the

CARD: 1/2

26

ABS. JOUR. : RZhBiol., No. 1958, No. 104640

APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R001445820003-4"

INST. :  
 TITLE :

ORIG. PUB. :

ABSTRACT : ears. accumulation of mineral matter in the plant continues until maturity. Corn contains more Ca, P, and Fe than other grain crops; the ratio of Ca to P in corn is higher than in other crops. --Ye. I. Saks

CARD: 2/2

POPANDOPULO, P.Kh. ; HUBINOVA, S.S.

[Methods of mineral analysis] Metody mineral'nogo analiza. Moskva,  
Vses. nauchno-issledovatel'skii institut zhivotnovodstva. 1955.

57 p.

(MLRA 10:2)

(Feeding and feeding stuffs--Analysis)

~~RUBINOV A, S. S.~~  
RUBINOV A, S. S.

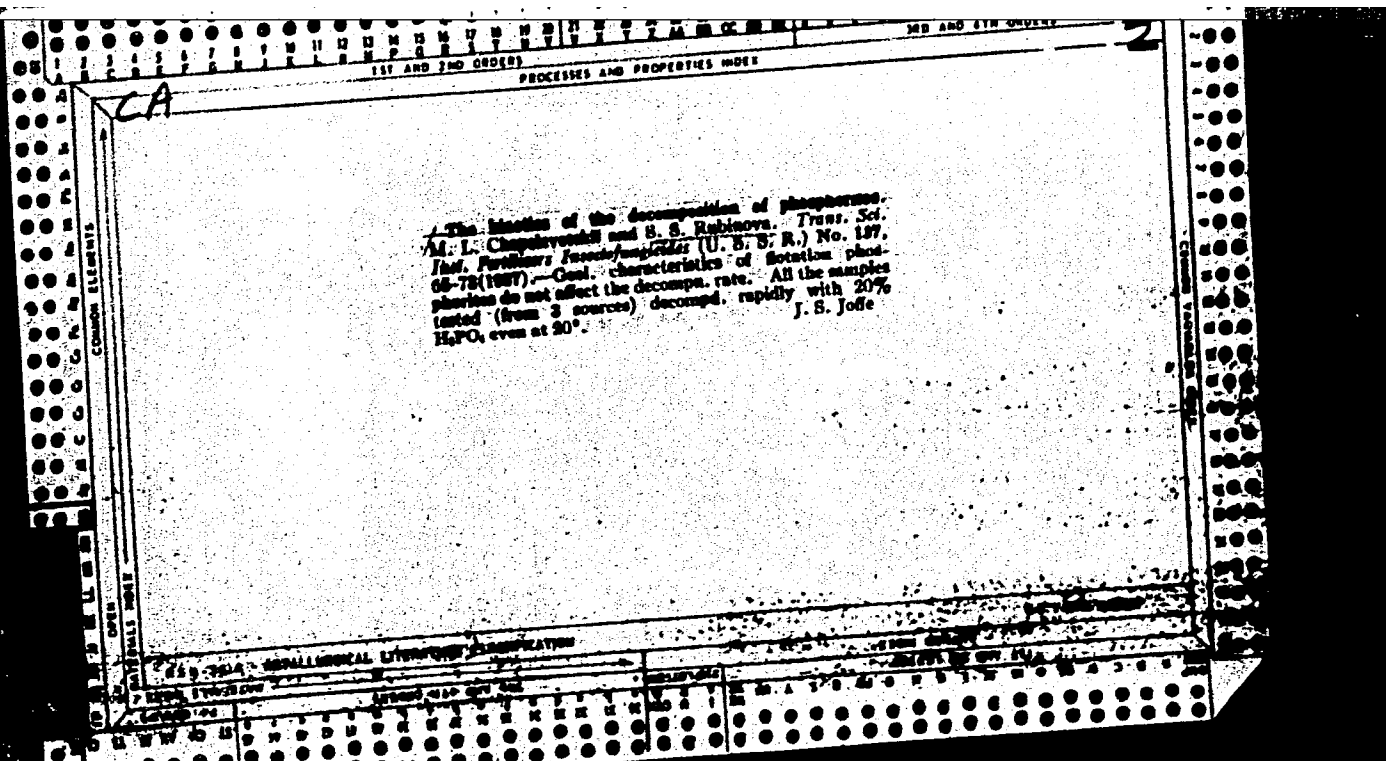
✓ Solubility and rate of dehydration of  $\text{CaHPO}_4 \cdot 2\text{H}_2\text{O}$   
M. I. Chepelevetskil, Ts. S. Bol'ts, N. A. Vasilenko, and  
S. S. Rubinova (Sci. Inst. Fertilizers and Insectofungicides,  
CH Moscow) — *Issledovaniya po Priklad. Khim., Akad. Nauk*  
S.S.S.R., *Otdel. Khim. Nauk* 1955, 175-83. — In connection  
with problems arising during industrial prepn. of  $\text{CaHPO}_4 \cdot 2\text{H}_2\text{O}$  (I), the soly. of this salt in  $\text{CaO-P}_2\text{O}_5\text{-H}_2\text{O}$  system at  
40° was detd. by the Schreinemakers residue method. From  
the phase diagram, it was found that the soly. isotherms of  
metastable phase were very close to the soly. isotherms of  
anhyd. salt. An increase in the concn. of  $\text{P}_2\text{O}_5$  brought  
sepn. of these isotherms, which was accompanied by an in-  
crease in the rate of dehydration. These results were suc-  
cessfully utilized in practical application. A. P. Kotloby

③

*[Handwritten signature]*

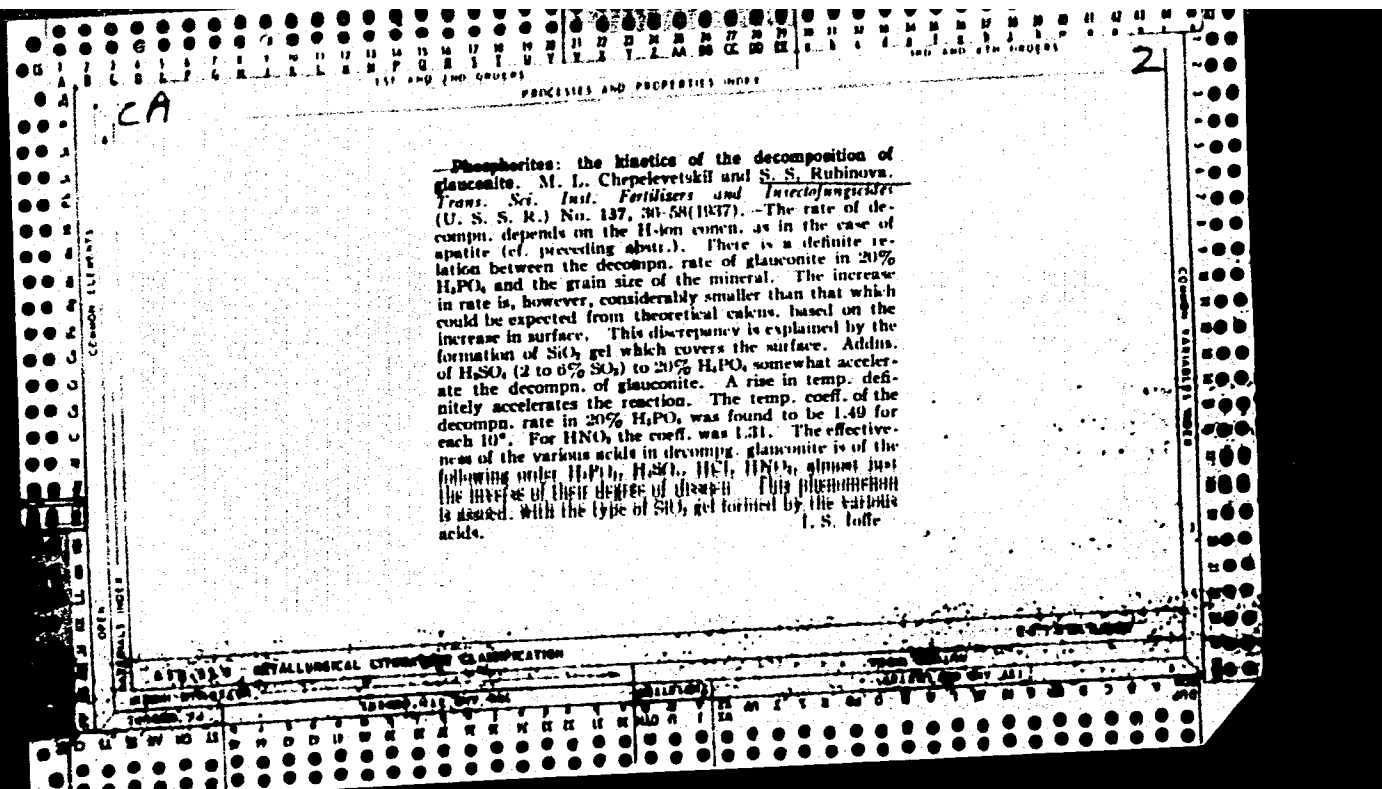
KANTSUR, M.Ya., kand. med. nauk; YELIN, I.S.; RUBINOVA, Z.I.

Results of the control of blood-sucking insects by means of early  
spring treatment of reservoirs. Voen.-med. zhur. no. 7:52-54 '64.  
(MIRA 18:5)





| 1ST AND 2ND ORDERS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |  |  |  |  | 3RD AND 4TH ORDERS |  |  |  |  |  |  |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|--------------------|--|--|--|--|--|--|--|--|--|
| PROCESSES AND PROPERTIES INDEX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |  |  |  |  |  |
| <p>CA</p> <p>The kinetics of the decomposition of limonite, brown hematite and haematite. M. L. Chupelvetikh and S. S. Rudakov. <i>Trans. Sci. Ind. Fertilizers Institute</i> (U. S. S. R.) No. 187, 88-89 (1987).—Studies on the decomposition of limonite at 30°, 40°, 50° and 60° in a 30% soln. of <math>H_2PO_4</math> indicate that the temp. coeff. is 1.43. The order of the effectiveness of decompos. of limonite with equimol. concn. of several acids is: <math>H_2PO_4 &gt; H_2SO_4 &gt; HNO_3</math>. Addn. of <math>H_2SO_4</math> to <math>H_2PO_4</math> only slightly increases the rate of decompos. of limonite. With brown hematite in a 10% soln. of <math>H_2PO_4</math> at 50° and addn. of <math>H_2SO_4</math> the concn. of <math>Fe_2O_3</math> at first increases and then decreases owing to the formation of <math>FePO_4</math>. The max. concn. of <math>Fe_2O_3</math> is 4%. The decompos. of haematite with the various acids follows the case of the limonite. J. S. Joffe</p> |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |  |  |  |  |  |
| <p>2</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |  |  |  |  |  |



CA

7

Processes and Properties Index

Titration by maximum turbidity by means of the photoelectric colorimeter. II. Determinations of sulfate ion in phosphate solutions. M. L. Chepelevetski, S. S. Rubinyov, and B. B. Evzlina. *Zavodskaya Lab.* 11, 785-7 (1945); cf. C.A. 40, 2407. -- Analysis of phosphate solns. for SO<sub>4</sub> by titration by max. turbidity yields more accurate and reliable results than are obtained gravimetrically from exts. acidified with HCl. Add 3 ml. of 3% HCl to a definite vol. of the sample ext. in a photometer cuvette (5 or 10 ml. of the content of SO<sub>4</sub> if up to 1%, 3 ml. if 1-2%, 2 or 1 ml. if 2-5%), add water to yield approx. 75 ml. of soln., set the mixer in motion, add 1/2 of the vol. of 0.25 or 0.1 N BaCl<sub>2</sub> soln. required for the pptn., select the light filter so that the readings of the logarithmic sector are within the first 20 scale divisions, and add BaCl<sub>2</sub> in portions of 0.2-0.3 ml. After the addn. of each portion, let stand for 1.0-1.5 min., compensate the illumination of the 2nd photoelement by means of the logarithmic sector until the photocurrents are in equil., and record simultaneously the readings of the logarithmic sector and those of the buret. Construct on a mm. paper that segment of the titration curve which is proximate to the end of pptn. and det. graphically the no. of ml. of BaCl<sub>2</sub> soln. required for the pptn. The time required for the analysis is considerably less than that required for gravimetric detn.

W. R. Henn

ASU-SLA METALLURGICAL LITERATURE CLASSIFICATION

FROM STORAGE

RECORDS UNIT

RECORDS UNIT

RUBINOVICH, A.

2922. Solution of the system of integral equations in Dirac's one-electron problem in momentum representation. A. RUBINOVICH. C.R. Soc. Sci. Lett. Varsovie, Cl. III, Sci. Math. Phys., 8 pp. (1949).

6-24-54  
LL

①  
2  
4  
0  
0  
0

COMM VAR

RUBINCICH, A. S.

"Fever in Cancer of the Stomach and of the Large Intestine." Sub 20 Nov 51,  
Central Inst for the Advanced Training of Physicians.

Dissertations presented for science and engineering degrees in Moscow  
during 1951.

SO: Sum. No. 480, 9 May 55.

MATEYEV, V.I.; RUBINOVICH, A.S.

Penetrating injury of the thorax with a needle. Sov.med. 19  
no.10:88-90 0 '55. (MLRA 8:12)

1. Iz Klinicheskoy ordena Lenina bol'nitsy imeni S.P.Botkina  
(glavnyy vrach--prof. A.N.Shabanov)  
(THORAX, wounds and injuries  
penetrating inj. with pin, surg.)  
(WOUNDS AND INJURIES,  
Thorax, penetrating inj. with pin, surg.)

1. RUBINOVICH, A. S.
2. USSR (600)
4. Intestines-Diseases
7. Pseudoappendicular infiltrations. Vest. rent. i rad. no. 1 , 1953

9. Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

ABDURASULOV, D.M.; RUBINOVICH, A.S.

Formation of fecaliths in congenital developmental anomalies.

Vest.rent.1 rad. no.6:91-93 M-D '53.

(MLRA 7:1)

1. Iz rentgenovskogo otdeleniya (zaveduyushchiy - kandidat meditsinskikh nauk G.M.Zemtsov) Klinicheskoy ordena Lenina bol'nitsy im. S.P.Botkina.

(Intestines--Surgery) (Feces)



RUBINOVICH, A.S. (Moscow).

Feverishness in gastric cancer. Klin.med. 31 no.3:41-46 Mr '53.

(MLRA 6:5)

(Stomach--Cancer)

RUBINOVICH, A.Z.

RUBINOVICH, A.Z. (Moskva)

Cases of lymphogranulomatosis of the lungs. Klin.med. 35 no.5:  
144-147 My '57. (MIRA 10:8)

1. Iz rentgenologicheskogo otdeleniya (nauchnyy rukovoditel' -  
zasluzhennyy deyatel' nauki prof. S.A.Reynberg) Moskovskoy ordena  
Lenina klinicheskoy bol'nitsy imeni S.P.Botkina (glavnyy vrach -  
prof. A.N.Shabanov)

(LUNG NEOPLASMS, case reports

Hodgkin's dis)

(HODGKIN'S DISEASE, case reports

lungs)

RUBINOVICH, B. I.

35853 RUBINOVICH, B. I., CHULANOVSKIY, V. M., I ADRIANOV, A. F.

Analiz mnogokomponentnykh smesey pri pomoshchi differentsial'nogo  
absorbtsiometra (kolorimetra). Zhurnal. Analit. Khimii. 1949, VYP. 6, s. 345-53

SO: Letopis' Zhurnal'nykh Statey, Vol. 39, Moskva, 1949

RUBINOVICH, B. I.  
V. M. CHULAKOVSKII, Zhur. Anal. Khim. 4, 345-53, 1949

S/121/62/000/004/002/008  
D040/D113

AUTHORS: Rubinovich, B.Z. and Zhevelev, G.I.

TITLE: Accurate remote reading of displacements in heavy machine tools  
using selsyns

PERIODICAL: Stanki i instrument, no. 4, 1962, 9-12

TEXT: Detailed description is given of a recently improved selsyn system used on the suspension remote-control board of a horizontal boring machine produced by the zavod Tyazhstankogidropress im. A.I. Yefremova (Tyazhstankogidropress Plant im. A.I. Yefremov) in Novosibirsk. Selsyns had been used by the plant since 1952 on such machines instead of the conventional optical and TV systems used on Soviet and foreign-make machines, because of the comparative simplicity and reliability of remote readings, but the indication error reached 0.08 mm for every 1000 mm that the machine elements moved. The described system, mounted on a machine with a boring spindle 250 mm in diameter, indicates the displacements of the slide (6 m travel) across the spindle axis, and of the spindle stock (4.5 m travel), the error being reduced to 0.03 mm per 1 m motion.

Card 1/2

Accurate remote reading of ....

S/121/62/000/004/002/008  
D040/D113

This degree of accuracy is sufficient for heavy machine parts. The accuracy is improved by introducing a correction mechanism that includes selsyn couples for rough and accurate readings, a rack-and-pinion transmission and a gear system. The correcting element is a cam with a zero circle 270 mm in diameter, and its protrusions are prepared using an optical reference rule. The manufacture of the cam is described, and the selsyn system illustrated. There are 6 figures and 1 table.

Card 2/2

RUBINOVICH, B. Ya.

U.S.S.R.

Physicochemical analysis of the system aluminum chloride-acetamide-water. B. Ya. Rubinovich (Kiev Order of Lenin Polytech. Inst.). *Dokl. Akad. Nauk S.S.R.* 24, 43-7 (1964) (Engl. translation), *Zhur. Obshchei Khim.* 34, 65-62 (1964).—The sp. gr., viscosity, and elec. cond. of the system  $AlCl_3$ -acetamide- $H_2O$  at 18, 25, and 35° were measured by the method of monomolar concns. The sp. gr. and viscosity were linearly dependent on the concn. of the system. The  $\Delta H$ -therms of the specific elec. cond. have breaks at molar ratios  $AlCl_3:CH_3CONH_2$  equal to 1:1 and 1:6. The temp. coeff. of viscosity has a const. value and is independent of the concn. of acetamide in the system. The temp. coeff. of specific elec. cond. has two minima that correspond to molar ratios of 1:1 and 1:6. The temp. depression of the system was found by cryoscopic investigations to diminish with increase in the concn. of acetamide. In the region of acetamide-water molar ratio  $AlCl_3:CH_3CO-$

RES OF ACCELRATING

SLOBODYANIK, Ignat Yakovlevich [Slobodiansky, I.IA.], kand.tekhn.nauk;  
PASHKOV, Igor' Aleksandrovich [Pashkov, I.O.], kand.tekhn.nauk;  
CHUPRUNENKO, Yekaterina Vasil'yevna [Chuprunenko, IE.V.], kand.  
tekhn.nauk; CHERKASOV, Nikolay Antonovich [Cherkasov, M.A.], kand.  
tekhn.nauk; LYSINA, Nina Borisovna, inzh.; RUBINOVICH, Esfir'  
Abramovna, inzh.; PAL'CHIK, Petr Karpovich, inzh.; LITVINENKO,  
Melan'ya Dmitriyevna, inzh.; SVARICHEVSKIY, Lyubomir Vladimirovich  
[Svorychevs'kyi, L.V.], inzh.; OSOVSKAYA, I. [Osovs'ka, I.], red.;  
ZELENKOVA, Ye. [Zelenkova, IE.], tekhn.red.

[Local binding materials based on new raw materials of the Ukraine]  
Mistsevi v'iazhuchi na novii syrovyni Ukrainy. Za zahal'noi red.  
I.IA.Slobodiansky. Kyiv, Derzh.vyd-vo lit-ry z budivnytstva i  
arkhit.URSR, 1960. 115 p. (MIRA 13:10)

(Ukraine--Binding materials)



RUBINOVICH, G. A.

The Experience With Treating Pneumonia by Sulfanilamides in Conjunction with Pencillin", Military-Medical Journal, No. 8, p 27, Aug. 1955.

ACCESSION NR: AT4020705

S/0000/63/000/000/0140/0143

AUTHOR: Rostovskiy, Ye. N.; Rubinovich, L. D.

TITLE: Polymers from the methacrylic esters of fluorinated alcohols

SOURCE: Karbotsepnyye vy\*sokomolekulyarnyye soyedineniya (Carbon-chain macromolecular compounds); sbornik statey. Moscow, Izd-vo AN SSSR, 1963, 140-143

TOPIC TAGS: polymerization, methacrylic ester, fluorination, fluorinated alcohol, kinetics, polymethacrylate

ABSTRACT: The synthesis and block polymerization of the 1H, 5H, 5H-octafluoro-, amy, 1H, 7H, 7H-dodecafluoroheptyl- and 1H, 9H, 9H-hexadecanonyl esters of methacrylic acid were investigated, and the thermomechanical properties of the polymers obtained were compared. The effect of fluorine on the alcoholic ester groups is shown by an increase in the polymerization rate and vitrification temperature of the polymer as compared to the analogs treated with petroleum. Polyfluoromethacrylates have a high chemical stability, which increases with an increasing amount of fluorine in the molecule and which makes these polymers very suitable for producing lacquers. Kinetic curves and isotherms for the resulting products are given. "The authors thank A. V. Yegorova for her assistance and valuable suggestions in this work. Part of the experimental work was carried out by A. L.

Card 1/2

ACCESSION NR: AT4020705

Lis." Orig. art. has: 3 figures and 1 table.

ASSOCIATION: Institut vy\*sokomolekulyarny\*kh soyedineniy AN SSSR (Institute of Macromolecular Compounds, AN SSSR)

SUBMITTED: 6Jul62

DATE ACQ: 20Mar64

ENCL: 00

SUB CODE: OC

NO REF SOV: 001

OTHER: 008

Card 2/2

RUBINOVICH, Lev Davydovich. Prinimal uchastiye KHAYKIN, Ya.K., inzh.;  
KOPERIN, V.V., nauchn. red.; ZHURAVLEV, B.A., red.izd-va;  
KASIMOV, D.Ya., tekhn. red.

[Assembly of the processing equipment in food enterprises;  
the meat and milk industry, refrigeration equipment] Montazh  
tekhnologicheskogo oborudovaniia pishchevykh predpriatii;  
miaso-molochnaia promyshlennost', kholodil'nye ustanovki.  
Moskva, Gosstroizdat, 1963. 315 p. (MIRA 16:8)  
(Food industry--Equipment and supplies)